| Inde | ex of C | Claims |  |
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10/648,255

Examiner

Leonid M. Fastovsky

Applicant(s)/Patent under Reexamination

SUDA ET AL.

Art Unit

3742

| <b>√</b> | Rejected |
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| -        | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | aim      | Date        |                                     |          |          |              |           |                | Cla      | aim      |     |         |          | [            | Date         | <b>-</b> |          |          |          |   | Cla      | ıim      |          |   |          | - (      | Dat     | <u>е</u> |   |     |          |          |                   |        |
|----------|----------|-------------|-------------------------------------|----------|----------|--------------|-----------|----------------|----------|----------|-----|---------|----------|--------------|--------------|----------|----------|----------|----------|---|----------|----------|----------|---|----------|----------|---------|----------|---|-----|----------|----------|-------------------|--------|
|          | <u></u>  | 1           |                                     |          |          | 1            |           |                |          |          |     |         | 70       |              |              |          |          |          |          |   |          |          |          | T   |          |          |         |          |   |     |          |          |                   |        |
| Final    | Original | 3           | Ī _                                 | 1        |          |              |           | l              |          |          |     | Final   | Original |              |              |          |          |          | lì       |   |          |          | 13       |   | Original | - 1      | - 1     |          |   |     |          |          | ĺ                 | l      |
| ίΞ       | ٦        | W           |                                     |          |          |              | l         | l              | 1        |          |     | ΙĒ      | Ĕ,       |              |              |          |          |          |          |   |          |          | i        | :   | nig      |          | - 1     | ŀ        |   | 1   |          |          |                   |        |
|          |          | 00          | <u> </u>                            |          |          |              |           |                |          |          |     |         |          |              | L            |          |          |          |          |   |          |          |          |   | 0        | ١        |         | -        |   | l   |          |          |                   | ĺ      |
|          | 1        | -           | <u> </u>                            | L        | _        | <u> </u>     |           |                |          |          |     |         | 51       |              |              |          |          |          |          |   |          |          | Г        | Ī   | 101      |          |         | $\neg$   |   |     | Γ        |          | П                 |        |
|          | 2        | П           |                                     |          |          |              |           |                |          |          |     |         | 52       |              |              |          |          |          |          |   |          |          |          |   | 102      | $\neg$   | T       | ヿ        |   | Γ   | Г        |          | Г                 |        |
|          | 3        |             |                                     |          |          |              |           |                |          |          |     |         | 53       |              |              |          |          |          |          |   |          |          |          |   | 103      |          | 一       |          |   | Г   |          |          | $\Box$            |        |
|          | 4        | Ш           | _                                   |          |          |              |           |                |          |          |     |         | 54       |              |              |          |          |          |          |   |          |          |          |   | 104      | $\neg$   |         |          |   | Г   |          |          | Г                 | Г      |
| <u> </u> | 5        | Ш           |                                     | L        |          |              |           |                |          |          |     |         | 55       |              |              |          |          |          |          |   |          | -        |          | $\neg$  | 105      | T        |         |          |   |     | П        | П        |                   |        |
|          | 6        | Ц           | 匚                                   | L        |          |              | L         | L              |          | Ш        | i   |         | 56       | L            |              |          |          |          |          |   |          |          |          | $\Box$  | 106      |          |         |          |   |     |          |          |                   |        |
| <u> </u> | 7        | Ц           | L_                                  |          | L        | ┖            | L         | L              | L        | Ш        |     |         | 57       | 乚            | _            |          |          |          |          |   |          |          |          |   | 107      | $\Box$   |         |          |   | П   |          |          |                   |        |
|          | 8        | Ш           |                                     |          |          | <u></u>      | L         | L              |          |          |     |         | 58       |              |              |          |          |          |          |   |          |          |          | П   | 108      |          |         |          |   |     | Г        |          |                   |        |
|          | 9        | Ц           | _                                   | L.       |          |              |           |                | L        |          |     |         | 59       |              |              |          |          |          |          |   |          |          |          | $\Box$  | 109      |          |         | T        |   | Г   | Г        |          | $\overline{}$     |        |
|          | 10       | $\coprod$   | L                                   |          |          | L            |           | _              | _        | Ш        |     |         | 60       |              |              |          |          |          |          |   |          |          |          |   | 110      |          |         |          |   |     |          |          |                   |        |
| <u> </u> | 11       | -           | $oxed{oxed}$                        | L        | ا        | 匚            |           |                | $\Box$   | $\Box$   |     |         | 61       | $\Box$       |              |          |          |          |          |   |          |          |          |   | 111      |          |         |          |   |     |          |          |                   |        |
| L        | 12       | V           | _                                   | _        | L        | ┖            | 匚         |                | $\perp$  | Ш        | -   |         | 62       | $\Box$       | $\Box$       |          |          |          |          |   |          |          |          |   | 112      |          | $\Box$  |          |   |     |          |          | П                 | Γ      |
|          | 13       | 11          | $oxed{oxed}$                        | L        | <u> </u> | L            |           |                |          |          |     |         | 63       |              |              |          |          |          |          |   |          |          |          |   | 113      |          |         |          | _ |     |          |          |                   | Γ      |
|          | 14       | Ц           | <u></u>                             |          | L        |              | <u> </u>  |                | Ш.       | Ш        |     |         | 64       |              |              |          |          |          |          |   |          |          |          |   | 114      |          | $\Box$  | _1       |   |     |          |          |                   |        |
|          | 15       | Ц           | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u> | <u>_</u> | <u> </u>     | oxdot     | $oxed{oxed}$   | <u> </u> |          |     |         | 65       | <u> </u>     |              |          |          |          |          |   |          |          |          | $oldsymbol{ol}}}}}}}}}}}}}} $ | 115      |          | T       | J        |   |     |          |          |                   | $\Box$ |
|          | 16       | Ш           | _                                   | _        | _        | $oxed{oxed}$ | <u>L</u>  | _              | L        |          |     |         | 66       |              |              |          |          |          | $\Box$   |   |          | <u> </u> |          |   | 116      | $\Box$   | $\Box$  |          |   |     |          |          |                   |        |
|          | 17       |             |                                     |          | L        | L            | <u> </u>  |                | <u> </u> |          |     |         | 67       |              |              |          |          |          |          |   |          |          |          |   | 117      | $\Box$   |         |          |   |     |          |          | $\Box$            |        |
|          | 18       | Ц           | _                                   | L        | _        | L            | L         | L              | L        | Ш        | ı   |         | 68       | 乚            |              |          |          |          |          |   |          |          |          |   | 118      |          |         |          |   |     |          |          | П                 | П      |
|          | 19       | Ш           | _                                   | 匚        |          | 乚            |           |                | L        | Ш        |     |         | 69       |              |              |          |          |          |          |   |          |          |          |   | 119      |          |         |          |   |     |          |          | П                 | Π      |
|          | 20       | Ц           |                                     | <u> </u> | _        | L            |           |                |          | Ш        |     |         | 70       | <u> </u>     | $oxed{oxed}$ |          |          |          |          |   |          |          |          |   | 120      |          |         |          |   |     |          |          |                   |        |
|          | 21       | Ц           | L                                   | L.       | _        | L            | _         | L              |          | Ш        |     |         | 71       |              |              |          |          |          |          |   |          |          | -        |   | 121      |          |         |          |   |     |          |          |                   | П      |
| L        | 22       | Ц           |                                     | _        | _        | <u> </u>     |           | <u> </u>       | _        | Ш        |     |         | 72       | L            |              |          |          |          | _        |   | $\bot$   |          |          | $\perp$   | 122      |          |         |          |   |     |          |          |                   |        |
|          | 23       | Ц           | _                                   | _        | _        | ╙            | _         | 乚              | _        | Щ        |     |         | 73       | L            |              |          |          | $\Box$   | $\perp$  |   |          |          |          |   | 123      |          |         |          |   |     |          |          |                   |        |
|          | 24       | Ц           | _                                   | _        | _        | <u> </u>     | <u> </u>  |                | <u> </u> | Щ        |     |         | 74       | $oxed{oxed}$ |              |          |          | _        |          | _ | _        | _        | L        | $\perp$   | 124      | $\sqcup$ |         |          |   |     |          |          |                   |        |
| <u> </u> | 25       | 11          | <u> </u>                            | L        |          | <u>_</u>     | L.        | <u> </u>       | <u> </u> | Ш        |     |         | 75       | <u> _</u>    |              |          |          |          |          | _ | $\perp$  | _        |          |   | 125      | $\dashv$ |         | _        |   |     |          |          |                   |        |
|          | 26       | Ш.          | <u> </u>                            | <u> </u> | _        | _            | <u> </u>  |                | L        |          |     |         | 76       | <u></u>      |              |          |          | _        | _        | _ |          | _        | L        |   | 126      | _        |         |          |   |     |          |          |                   |        |
|          | 27       | <b>!</b>    | <u> </u>                            | _        | <u> </u> | <u> </u>     | <u> </u>  | _              | <u> </u> | Ш        | - 8 |         | 77       |              |              |          |          |          | _        | _ |          | _        |          | $\perp$   | 127      | _        |         | $\perp$  |   |     |          |          |                   | L      |
|          | 28       | <b> </b>  - | <u> </u>                            |          |          | L            | <u> </u>  | <u> </u>       | _        | Ш        |     |         | 78       |              | Ш            |          |          | _        | $\dashv$ | _ |          | _        | L        |   | 128      | _        |         | $\dashv$ |   |     | Ш        |          |                   |        |
|          | 29       | H-          | <u> </u>                            |          | _        | <u> </u>     | <u> </u>  | <u> </u>       | <u> </u> | Щ        |     |         | 79       |              | Щ            | _        |          | _        |          | _ | _        | _        | <u> </u> |   | 129      | _        | $\perp$ | 4        |   |     |          |          | Ш                 |        |
|          | 30       | ₩.          | -                                   |          |          | _            | <u> </u>  | L              | ⊢        | Ш        | - 1 |         | 80       | _            | Ш            |          | _        | _        | _        | _ |          | _        | L.       |   | 130      | $\bot$   | $\perp$ | $\dashv$ |   |     |          |          |                   |        |
|          | 31       | Ų,          | <u> </u>                            | _        | _        | <u> </u>     | <u> </u>  | _              | ┞        | $\vdash$ | .   |         | 81       |              | Ш            |          |          | _        | _        | _ | _        | վ.       |          |   | 131      | 4        | $\perp$ | 4        |   |     |          |          |                   | _      |
|          | 32       | V           | $\vdash$                            | <u> </u> | $\vdash$ | _            | $\vdash$  | <del> </del> — | <b>—</b> | Н        | .   |         | 82       | ļ.           | $\sqcup$     | _        |          |          | _        |   | _        | $\dashv$ | _        |   | 132      |          | _       | _        |   |     |          |          |                   | _      |
|          | 33       | <u> </u>    | $\vdash$                            | _        | _        | <u> </u>     | <u> </u>  | <u> </u>       | <u> </u> | $\sqcup$ |     |         | 83       | <u> </u>     | Щ            |          |          | _        | _        | _ | 4        | _        | <u>_</u> |   | 133      |          | $\perp$ | 4        |   | L   | Ш        |          | $oldsymbol{\bot}$ | _      |
|          | 34       | <u> </u>    | $\vdash$                            | _        | <u> </u> | <u> </u>     | <u> </u>  | ├              | <u> </u> | Н        |     |         | 84       | ⊢-           | Щ            |          | _        | _        | _        | _ | -        | _        | <u></u>  |   | 134      |          | 4       | 4        | _ |     | $\sqcup$ | $\sqcup$ |                   |        |
|          | 35       | ├           | <u> </u>                            | -        |          | ├            | ⊢         | ├              | ⊢        | Н        |     |         | 85       | -            | Ш            |          | _        | _        | 4        | _ | -        | $\dashv$ | <u></u>  |   | 135      | _        | _       | _        |   | _   | Ш        | $ \bot $ |                   |        |
|          | 36       | <u> </u>    | $\vdash$                            |          | $\vdash$ | -            | <u> </u>  | ļ              | <u> </u> | Щ        | -   |         | 86       |              | Ш            | _        | _        | _        | $\dashv$ | _ | 4        | $\dashv$ | <u>_</u> | $\bot$  | 136      | _        | 4       | 4        | _ |     | Ш        | _        |                   | _      |
|          | 37       | <u> </u>    | Н                                   |          | $\vdash$ | ⊢            | <u> </u>  | ├—             | —        | Ш        | ļ   |         | 87       | <u> </u>     | Ш            | _        | _        |          | 4        | _ | _        | 4        | <u>_</u> |   | 137      | 4        | 4       | 4        | _ |     | Ш        |          | $_{\perp}$        |        |
|          | 38       | <u> </u>    | <b> </b>                            |          |          | ├-           |           | <u> </u>       |          | $\Box$   | ļ   |         | 88       | ┞            | Ш            |          | _        | _        | 4        | _ | 4        | 4        | $\vdash$ |   | 138      | _        | _       | 4        |   |     | Ш        | $\Box$   | _                 |        |
|          | 39       |             | Ш                                   |          | -        | <u> </u>     | <u> </u>  | <u> </u>       | <u> </u> |          | ļ   |         | 89       | <u> </u>     | Щ            | _        |          | $\dashv$ | _        |   | $\bot$   | _        | $\vdash$ |   | 139      | $\dashv$ | $\perp$ | _        |   |     |          | $\perp$  |                   |        |
|          | 40       | <u> </u>    | Ш                                   |          | Щ        | <u> </u>     | $\vdash$  | <u> </u>       | $\vdash$ | Ш        | ļ   |         | 90       | <u> </u>     | $\sqcup$     | _        | _        |          | _        |   |          | _        | $\vdash$ | _   | 140      | $\perp$  | $\perp$ | _        | _ |     |          | [        |                   |        |
|          | 41       | <u> </u>    | Ш                                   | _        | Ш        | $\vdash$     | L.        | <u> </u>       | <u> </u> |          |     |         | 91       | Щ            | $\sqcup$     | _        | _        | _        |          |   | _        | 4        | <u>_</u> |   | 141      | _        | _       | 4        |   | _   |          |          | $\Box$            |        |
|          | 42       | <u> </u>    | Н                                   |          |          | <u> </u>     | Щ         | $\vdash$       | $\vdash$ | $\dashv$ | -   |         | 92       | Щ            | Ш            | _        | _        |          |          | _ | 4        | _        | _        |   | 142      | _        | $\perp$ | 4        |   |     |          |          | _                 |        |
|          | 43       | <u> </u>    | $\vdash$                            |          |          | -            | $\vdash$  | $\vdash$       | $\vdash$ | Щ        | ŀ   |         | 93       | Ш            | $\sqcup$     | _        | _        | _        | _        | _ | $\dashv$ | _        | <u>_</u> | 4   | 143      | 4        | _       | 4        | _ |     |          |          | $\sqcup$          |        |
|          | 44       | <u> </u>    | $\dashv$                            | _        | -        | <u> </u>     | Щ         | Н              | $\vdash$ | $\dashv$ | ļ   | <b></b> | 94       | Ш            | $\sqcup$     | _        | _        | _        | _        | _ | 4        | _        | _        |   | 144      | _        | _       | 4        | _ | _   | Щ        | $\bot$   |                   |        |
|          | 45       |             | $\dashv$                            |          | $\sqcup$ | $\vdash$     |           | Ь              | Ш        | $\dashv$ | -   |         | 95       | Щ            | $\sqcup$     | _        | _        |          | _        | _ | _        | 4        | _        | _ _   | 145      | 4        | $\bot$  | 4        |   |     | $\Box$   | _        | ᆚ                 |        |
|          | 46       |             | $\dashv$                            |          | $\sqcup$ | $\vdash$     | Ш         | _              | Ш        |          | ļ   |         | 96       | Ш            | $\sqcup$     | _        | _        | _        | _        | 4 | _        | _        | _        |   | 146      | _        |         | 4        | _ | _   | ᆚ        | _        | $ \bot $          |        |
| -        | 47       |             |                                     |          |          | Ш            | $\square$ | _              | Щ        | _        | ļ   |         | 97       | Ш            | $\dashv$     | 4        | $\dashv$ | _        | _        | _ | _        | 4        | $\perp$  |   | 147      | 4        |         | 4        | _ |     | $\Box$   | _        | $oldsymbol{\bot}$ |        |
|          | 48       | _           | $\dashv$                            |          | -        | Н            | Ш         |                | Щ        |          | -   |         | 98       | $\sqcup$     | $\sqcup$     | _        | _        | _        | $\dashv$ | _ | 4        | 4        | $\vdash$ |   | 148      | 4        | _       | 4        | _ |     | _        | $\dashv$ | $\Box$            |        |
|          | 49       | _           |                                     | -        |          | $\dashv$     | $\dashv$  | -              | Щ        | 4        | -   |         | 99       | Щ            |              | _        | 4        | _        | _        | _ | 4        | _        | $\vdash$ |   | 149      | 4        | $\perp$ | 4        | _ |     |          | $\bot$   |                   |        |
|          | 50       |             |                                     |          |          |              |           |                |          |          | L   |         | 100      | L            |              | - 1      | - 1      | - 1      |          |   |          | -        | 1        | - 1 1   | 150      | - 1      |         |          |   | - 1 | I        | T        | T                 | ٦      |